

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P218414

Luminaire Tested: **2SNLED-LD5-32HL-RM-UNV-L850-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218414  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35688)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2SNLED-LD5-32HL-RM-UNV-L850-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3564.9 lumens  
Efficiency: N/A  
Efficacy: 137.6 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 0.46 / 0.67  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 2' x H: 0.17')  
CIE Type: Direct

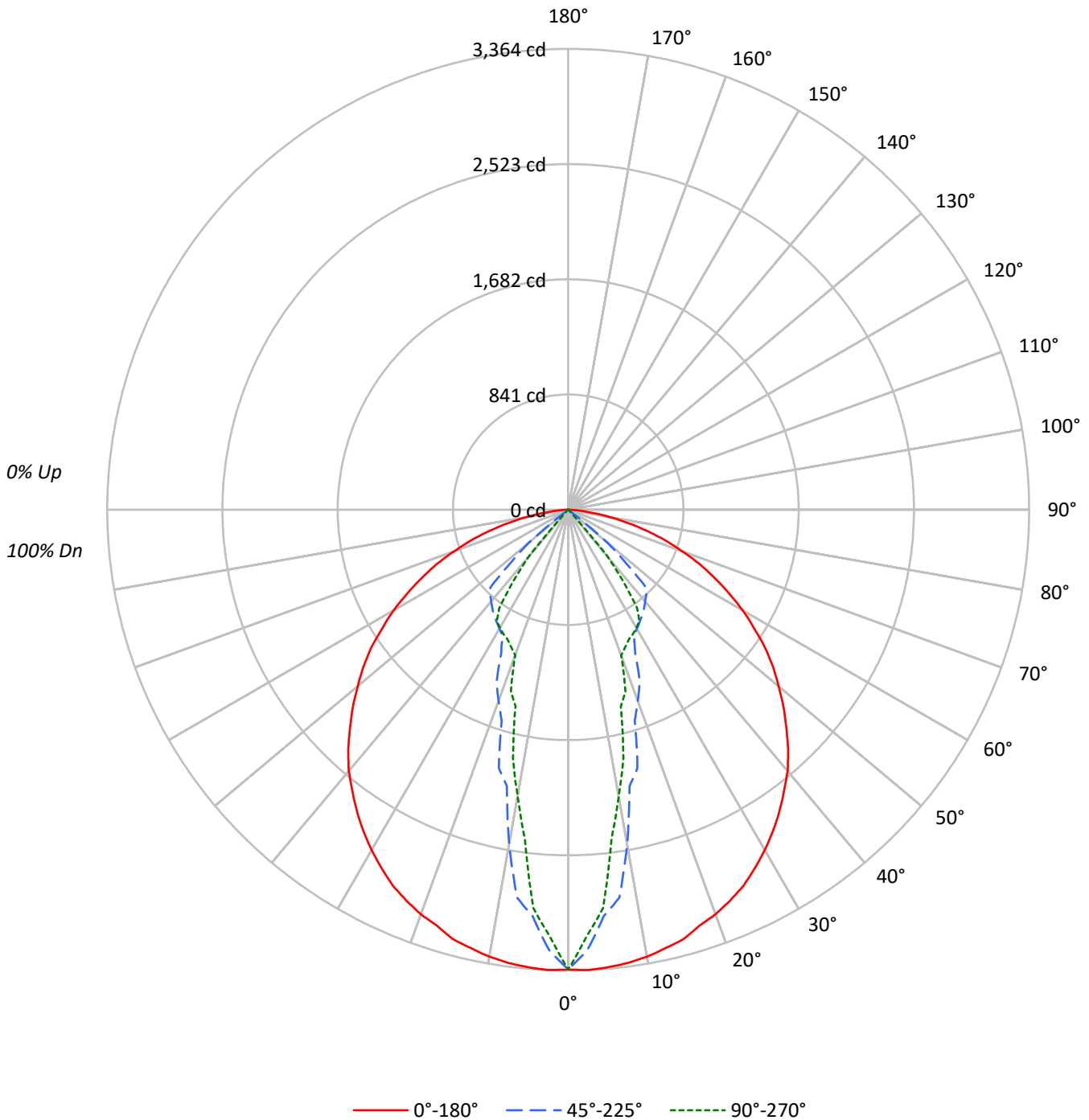
Input Watts (W): 25.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	93	91	89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	79	75	72	70
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	108174	108174	108174
5°	107691	90272	86834
10°	106859	71434	59057
15°	105940	54042	39083
20°	104612	39786	28423
25°	103620	30336	25364
30°	101853	25875	23455
35°	99914	24090	20254
40°	97891	22371	10170
45°	94661	20766	39
50°	91381	9844	0
55°	88056	325	0
60°	82861	238	0
65°	76226	98	0
70°	67615	52	0
75°	55944	55	45
80°	38200	59	47
85°	16630	64	51



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	277.0	7.8
10°-20°	597.2	16.8
20°-30°	712.4	20.0
30°-40°	758.0	21.3
40°-50°	553.8	15.5
50°-60°	353.7	9.9
60°-70°	213.0	6.0
70°-80°	83.0	2.3
80°-90°	16.8	0.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1586.6	44.5
0°-40°	2344.6	65.8
0°-60°	3252.2	91.2
0°-90°	3564.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3564.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3357	3357	3357	3357	3357	
5°	3353	3190	2978	2924	2919	319
15°	3246	2769	1952	1522	1485	914
25°	3028	1930	1158	1054	1046	1393
35°	2688	1275	941	941	875	1682
45°	2250	825	805	3	2	1738
55°	1754	651	12	2	0	1562
65°	1179	265	3	2	0	1166
75°	589	14	2	2	2	623
85°	88	2	2	2	2	122
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3356.6	3356.6	3356.6	3356.6	3356.6
2.5°	3363.5	3341.1	3217.1	3165.4	3115.4
5°	3353.2	3189.5	2977.5	2924.1	2919.0
7.5°	3337.7	3036.1	2856.9	2550.2	2421.0
10°	3313.5	2936.2	2477.8	2219.4	2122.9
12.5°	3279.1	2788.0	2066.0	1917.8	1861.0
15°	3246.3	2769.0	1952.3	1521.5	1485.3
17.5°	3184.3	2383.1	1612.8	1430.2	1388.8
20°	3143.0	2207.3	1483.6	1240.6	1130.4
22.5°	3087.8	2103.9	1364.7	1128.6	1085.6
25°	3027.5	1929.9	1157.9	1054.5	1045.9
27.5°	2950.0	1697.3	1037.3	1027.0	1023.5
30°	2869.0	1440.5	1002.9	999.4	994.2
32.5°	2781.1	1338.9	971.8	971.8	966.7
35°	2688.1	1275.1	940.8	940.8	875.3
37.5°	2588.1	1194.1	909.8	909.8	658.2
40°	2489.9	1023.5	873.6	606.5	444.6
42.5°	2376.2	884.0	842.6	423.9	3.4
45°	2250.4	825.4	804.7	3.4	1.7
47.5°	2131.5	784.0	548.0	1.7	0.0
50°	2004.0	739.2	375.6	1.7	0.0
52.5°	1883.4	697.9	17.2	1.7	0.0
55°	1754.1	651.3	12.1	1.7	0.0
57.5°	1607.7	606.5	10.3	1.7	0.0
60°	1471.5	558.3	8.6	1.7	0.0
62.5°	1321.6	473.9	5.2	1.7	0.0
65°	1178.6	265.4	3.4	1.7	0.0
67.5°	1037.3	43.1	3.4	1.7	0.0
70°	882.2	29.3	1.7	1.7	0.0
72.5°	739.2	22.4	1.7	1.7	1.7
75°	589.3	13.8	1.7	1.7	1.7
77.5°	441.1	8.6	1.7	1.7	1.7
80°	303.3	5.2	1.7	1.7	1.7
82.5°	182.7	1.7	1.7	1.7	1.7
85°	87.9	1.7	1.7	1.7	1.7
87.5°	27.6	1.7	1.7	1.7	1.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)